Business Desktop

19" | 22" | 23" | 24" | 27" | 29"

NEC MultiSync® EA Series

High-performance, LED-backlit LCD displays ideal for corporate environments

Reimagine your desktop computing experience. With its next generation MultiSync EA Series, NEC has developed monitor solutions that push the boundaries of what you've come to know as business-grade screen performance. The 19" MultiSync EA193Mi, 22" EA224WMi and EA223WM, 23" EA234WMi, 24" EA243WM and EA244WMi, 27" EA273WMi and EA274WMi and 29" EA294WMi deliver a completely redesigned chassis with a host of enhanced features, advanced technologies, future-proof connectivity and environmentally friendly benefits. Select models tout an IPS module, which boasts the best possible color accuracy and minimal viewing angle shift.

These models boast LED backlight technology, which not only reduces power by up to 52% compared to their predecessors, but leads to a 30% thinner and 25% lighter chassis. Other green features include ECO Mode™, a carbon footprint meter and an ambient light sensor, which automatically adjusts the brightness to the optimal setting depending on ambient lighting, screen content or both, conserving power up to 87% compared to typical energy consumption. In addition, the human sensor detects user activity in front of the monitor and reduces display power up to 95% with inactivity.

The ground breaking ControlSync™ feature allows users to control up to six select MultiSync EA Series units in a multi-monitor configuration. Upon establishing one unit as the master, you will be able to simultaneously control many performance attributes of the multi-monitor setup through the master monitor.

Highlights

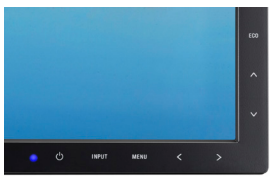
- **LED backlight technology** provides for industry-leading low power consumption and less hazardous materials
- **Four-way ergonomic stand** boasts pivot, tilt, swivel and height adjustment up to 130mm to maximize your viewing comfort
- **Touch-sensitive OSD® controls** are integrated into the bezel, making display adjustments easier than ever
- **Integrated 4-port USB 2.0 hub** easily connects you to your peripherals
- **Comprehensive input panel**, including DisplayPort, HDMI, DVI-D and 15-pin VGA, connects you to the latest peripherals and future-proofs your investment
- **Space saving, multimedia speakers**, which enhance your computing experience, are hidden to maintain the monitor's aesthetic appeal (headphone jack also included)
- **ControlSync** enables multi-monitor setups of up to six monitors and controls up to 26 settings
- **Customize Setting** allows both users and IT administrators to set and restore preferred settings with just one touch, contributing to a free-seating business environment
- **Smart sensing technology** includes ambient light and human sensors, which considerably reduce power consumption by automatically detecting your work conditions and adjusting to the proper display brightness or entering Power Saving Mode
- **Carbon footprint meter** helps track and calculate the reduction of green gas emissions, while the resettable cost meter (via On Screen Display) indicates electricity cost savings based on currency settings
- **NaViSet™ software** offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator provides all the advanced control to remotely located IT professionals.
- **EPEAT Silver/Gold compliance** ensures the displays reduce hazardous waste and electricity usage, resulting in lower energy costs and increased protection for the environment
- **ENERGY STAR® compliance** reduces electrical costs and lowers total cost of ownership

19” to 23” - Specifications for MultiSync EA193Mi/EA224WMi/EA223WM/EA234WMi

MODEL	EA193Mi	EA224WMi	EA223WM	EA234WMi
DISPLAY				
Panel Technology	IPS		TN	IPS
Backlight Type	W-LED			
Viewable Image Size	19”	21.5”	22”	23”
Aspect Ratio	5:4	16:9	16:10	16:9
Native Resolution	1280 x 1024	1920 x 1080	1680 x 1050	1920 x 1080
Pixel Pitch	0.29mm	0.248mm	0.282mm	0.267m
Pixels Per Inch	86 @ native resolution	102 @ native resolution	90 @ native resolution	96 @ native resolution
Brightness (typical)	250 cd/m²			
Contrast Ratio (typical)	1000:1 (25,000: dynamic)			
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		160° Vert., 170° Hor. (80U/80D/85L/85R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Response Time (typical)	6ms	6ms (with overdrive)	5ms	6ms
Displayable Colors	More than 16.7 million			
Synchronization Range				
Horizontal (Analog/Digital)	31.5-81.1 kHz	31.5-83 kHz	31.5-82.3 kHz	31.5-83 kHz
Vertical	56-75 Hz			
Input Signal				
Video	Analog RGB 0.7 Vp-p/75 Ohms			
Sync	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)			
Input Connectors	DisplayPort, DVI-D, VGA 15-pin D-sub	DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub	DisplayPort, DVI-D, VGA 15-pin D-sub	DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub
POWER CONSUMPTION				
On (typical)	18W	26W	25W	27W
Power Savings Mode (typical)	0.35W	0.43W	0.4W	0.41W
PHYSICAL SPECIFICATIONS				
Dimensions (WxHxD)				
Net (with stand)	16.1 x 15.2-19.5 x 8.4 in. / 408 x 386.4-496.4 x 213.9mm	20 x 14.6-19.7 x 8.6 in. / 507.4 x 370.2-500.2 x 218mm	19.8 x 15.1-20.2 x 8.6 in. / 503.5 x 384-514 x 218mm	21.4 x 15.0-20.1 x 8.7 in. / 543.8 x 380.4-510.4 x 218mm
Net (without stand)	16.1 x 13.3 x 2.6 in. / 408 x 338 x 65mm	20 x 11.9 x 2.4 in. / 507.4 x 301.1 x 60.5mm	19.8 x 13 x 2.4 in. / 503.5 x 329.7 x 60.5mm	21.4 x 12.7 x 2.4 in. / 543.8 x 321.6 x 60.5mm
Weight				
Net (with stand)	13.2 lbs. / 6.0 kg	13.2 lbs. / 6 kg	12.3 lbs. / 5.6 kg	14.1 lbs. / 6.4 kg
Net (without stand)	8.8 lbs. / 4.0 kg	8.2 lbs. / 3.7 kg	7.3 lbs. /3.3 kg	8.8 lbs. / 4.0 kg
VESA Hole Configuration	100 x 100mm			
ENVIRONMENTAL CONDITIONS				
Operating Temperature	41-95°F / 5-35°C			
Operating Humidity	20 - 80%			
Operating Altitude	6562 ft. / 2000m			
Storage Temperature	14-140°F / -10-60°C			
Storage Humidity	10-85%			
Storage Altitude	40,000 ft. / 12,192m			
Tropical Environments	Yes			
ENVIRONMENTAL COMPLIANCE				
ENERGY STAR	6.0			
TCO	6.0	5.2		Edge 1.2
EPEAT	Silver	Gold	Silver	Gold
RoHS	Yes			
LIMITED WARRANTY	3 years parts and labor, including backlight*			
ADDITIONAL FEATURES	Tilt; Swivel; Pivot; Height-adjustable stand; ControlSync**; Customize Setting**; Integrated speakers; 4-port USB hub**; LED backlit; Auto brightness with ambient light sensor; Human sensor**; ECO Mode; Carbon footprint meter; Resettable cost meter; Thin frame; Carrying handle**; Rapid Response; Ambix; XtraView; Hot Key; Touch OSD controls**; OSD Lock Out; Cable management; Dynamic Visual Mode (Standard, Text, Movie, Gaming, Photo, Dynamic); NaViSet Administrator 2; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC2B); VESA DPMS power management; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; DICOM SIM for IPS models			
SHIPS WITH	Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI cable; Audio cable	Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI-D cable; USB cable; Audio cable; ControlSync cable		

* Warranty restrictions apply. Contact your representative for details.
**Excludes EA193Mi-BK

Touch-sensitive OSD controls**



Comprehensive input panel (select models)**

USB 2.0 hub**

4-way adjustable stand

Thin, lightweight design with integrated speakers

Ambient and human sensors**

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24” to 29” - Specifications for MultiSync EA243WM/EA244WMi/EA273WMi/EA274WMi/EA294WMi

MODEL	EA243WM	EA244WMi	EA273WMi	EA274WMi	EA294WMi
DISPLAY					
Panel Technology	TN	IPS	AH-IPS		IPS
Backlight Type					
Viewable Image Size	24”		27”		29”
Aspect Ratio	16:10		16:9		21:9
Native Resolution	1920 x 1200		1920 x 1080	2560 x 1440	2560 x 1080
Pixel Pitch	0.27mm		0.311mm	0.233mm	0.262mm
Pixels Per Inch	94 @ native resolution		82 @ native resolution	109 @ native resolution	97 @ native resolution
Brightness (typical)	250 cd/m²	350 cd/m²	300 cd/m²	350 cd/m²	300 cd/m²
Contrast Ratio (typical)	1000:1 (25,000:1 dynamic)				
Viewing Angle (typical)	160° Vert., 170° Hor. (80U/80D/85L/85R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		
Response Time (typical)	5ms		6ms		
Displayable Colors	More than 16.7 million				
Synchronization Range					
Horizontal (Analog/Digital)	31.5-77 kHz		31.5-83 kHz		
Vertical	56-60 Hz		56-75 Hz		
Input Signal					
Video	Analog RGB 0.7 Vp-p/75 Ohms				
Sync	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)				
Input Connectors	DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub				VGA 15-pin D-Sub (2), DVI-D (2), DisplayPort, HDMI / MHL
POWER CONSUMPTION					
On (typical)	29W		31W	57W	50W
Power Savings Mode (typical)	0.48W	0.47W	0.48W	0.8W	
PHYSICAL SPECIFICATIONS					
Dimensions (WxHxD)					
Net (with stand)	21.9 x 16.1-21.2 x 9.1 in. / 556.2 x 408.9-538.9 x 230mm		25.2 x 16.5-21.6 x 9.1in / 639.3 x 418-548 x 230mm	25.2 x 16.5 - 21.6 x 9.1 in. / 639.2 x 417.9 - 537.9 x 230 mm	27.8 x 16.2-21.3 x 9.1 in. / 705.8 x 410.4- 540.4 x 230mm
Net (without stand)	21.9 x 14.2 x 2.5 in. / 556.2 x 359.6 x 63.8mm		25.2 x 14.9 x 2.6 in. / 639.3 x 377.8 x 66.5mm	25.2 x 14.9 x 2.6 in. / 639.3 x 377.8 x 66.5 mm	27.8 x 12.7 x 2.7 in. / 705.8 x 321.8 x 69.1mm
Weight					
Net (with stand)	15.4 lbs. / 7 kg	16.8 lbs. / 7 kg	15.9 lbs. / 7.2 kg	19.2 lbs / 8.7 kg	21.2 lbs. / 9.6 kg
Net (without stand)	9 lbs. / 4.1 kg	10.6 lbs. / 4.8 kg	9.5 lbs. / 4.3 kg	12.8 lbs. / 5.8 kg	14.6Lbs. / 6.6 kg
VESA Hole Configuration	100 x 100mm				
ENVIRONMENTAL CONDITIONS					
Operating Temperature	41-95°F / 5-35°C				
Operating Humidity	20 - 80%				
Operating Altitude	6562 ft. / 2000m				10,000 ft. / 3048m
Storage Temperature	14-140°F / -10-60°C				
Storage Humidity	10-85%				
Storage Altitude	40,000 ft. / 12,192 m				
Tropical Environments	Yes				
ENVIRONMENTAL COMPLIANCE					
ENERGY STAR	6.0				
TCO	5.2	6.0			5.0
EPEAT	Gold				
RoHS	Yes				
LIMITED WARRANTY	3 years parts and labor, including backlight*				
ADDITIONAL FEATURES	Tilt; Swivel; Pivot; Height-adjustable stand; ControlSync; Customize Setting; Integrated speakers; 4-port USB hub; LED backlit; Auto brightness with ambient light sensor; Human sensor; ECO Mode; Carbon footprint meter; Resettable cost meter; Thin frame; Carrying handle; Rapid Response; Ambix; XtraView; Hot Key; Touch OSD controls; OSD Lock Out; Cable management; Dynamic Visual Mode (Standard, Text, Movie, Gaming, Photo, Dynamic); NaViSet Administrator 2; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC2B); VESA DPMS power management; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; DICOM SIM for IPS models				
SHIPS WITH	Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI-D cable; USB cable; Audio cable; ControlSync cable				

* Warranty restrictions apply. Contact your representative for details

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